

LAPORAN PRAKTIKUM

PEMROGRAMAN VISUAL

2023



Prepared By:

Arif Gunawan | 200511126 | TIF20D

APLIKASI PENENTUAN NILAI MUTU MENGGUNAKAN VB NET 2015

a. Source Code

```
Public Class Form1
    Private Function HitungNilaiAkhir(khd As Integer, tgs As Integer, uts As Integer, uas As Integer) As Integer
        Dim nilaiAkhir As Integer
        nilaiAkhir = (25 / 100 * khd) + (35 / 100 * tgs) + (20 / 100 * uts) + (20 / 100 * uas)
        Return nilaiAkhir
    End Function
    Private Sub Label3_Click(sender As Object, e As EventArgs) Handles Label3.Click

    End Sub
    Private Sub btnSubmit_Click(sender As Object, e As EventArgs) Handles btnSubmit.Click
        Dim nim, khd, tgs, uts, uas, nilaiAkhir As Integer
        Dim nama, prodi As String

        nim = Val(txtNIM.Text)
        nama = Val(txtNama.Text)
        prodi = Val(txtProdi.Text)
        khd = Val(txtNilaiKehadiran.Text)
        tgs = Val(txtTugas.Text)
        uts = Val(txtUTS.Text)
        uas = Val(txtUAS.Text)

        nilaiAkhir = HitungNilaiAkhir(khd, tgs, uts, uas)

        txtNIMOutput.Text = Str(nim)
        txtNamaOutput.Text = txtNama.Text
        txtProdiOutput.Text = txtProdi.Text

        txtNilaiAkhir.Text = Str(nilaiAkhir)
        If (nilaiAkhir >= 85) Then
            txtNilaiMutu.Text = "A"

        ElseIf (nilaiAkhir >= 75) Then
            txtNilaiMutu.Text = "B"

        ElseIf (nilaiAkhir >= 55) Then
            txtNilaiMutu.Text = "C"

        ElseIf (nilaiAkhir >= 30) Then
            txtNilaiMutu.Text = "D"

        Else
            txtNilaiMutu.Text = "E"
        End If
    End Sub
End Class
```

b. Screenshot Hasil Run Program

The screenshot shows a Windows application window titled 'Form1'. The main heading is 'Aplikasi Penentuan Nilai Mutu'. Below this, there are input fields for NIM (120020139), Nama (Arif Maulana), Prodi (Manajemen), Nilai Kehadiran (40), Nilai Tugas (30), Nilai UTS (20), and Nilai UAS (10). A 'Submit' button is located below these fields. Under the heading 'Hasil Penentuan Nilai', the output fields show NIM (120020139), Nama (Arif Maulana), Prodi (Manajemen), Nilai Akhir (26), and Nilai Mutu (E). At the bottom, the text 'Arif Gunawan_200511126_TI20D' is displayed.

Input	Value
NIM	120020139
Nama	Arif Maulana
Prodi	Manajemen
Nilai Kehadiran	40
Nilai Tugas	30
Nilai UTS	20
Nilai UAS	10

Submit

Output	Value
NIM	120020139
Nama	Arif Maulana
Prodi	Manajemen
Nilai Akhir	26
Nilai Mutu	E

Arif Gunawan_200511126_TI20D

The screenshot shows the same Windows application window 'Form1' with the heading 'Aplikasi Penentuan Nilai Mutu'. The input fields now contain: NIM (200511126), Nama (Arif Gunawan), Prodi (Teknik Informatika), Nilai Kehadiran (90), Nilai Tugas (90), Nilai UTS (90), and Nilai UAS (90). The 'Submit' button is present. The 'Hasil Penentuan Nilai' section shows the output: NIM (200511126), Nama (Arif Gunawan), Prodi (Teknik Informatika), Nilai Akhir (90), and Nilai Mutu (A). The footer text 'Arif Gunawan_200511126_TI20D' remains the same.

Input	Value
NIM	200511126
Nama	Arif Gunawan
Prodi	Teknik Informatika
Nilai Kehadiran	90
Nilai Tugas	90
Nilai UTS	90
Nilai UAS	90

Submit

Output	Value
NIM	200511126
Nama	Arif Gunawan
Prodi	Teknik Informatika
Nilai Akhir	90
Nilai Mutu	A

Arif Gunawan_200511126_TI20D